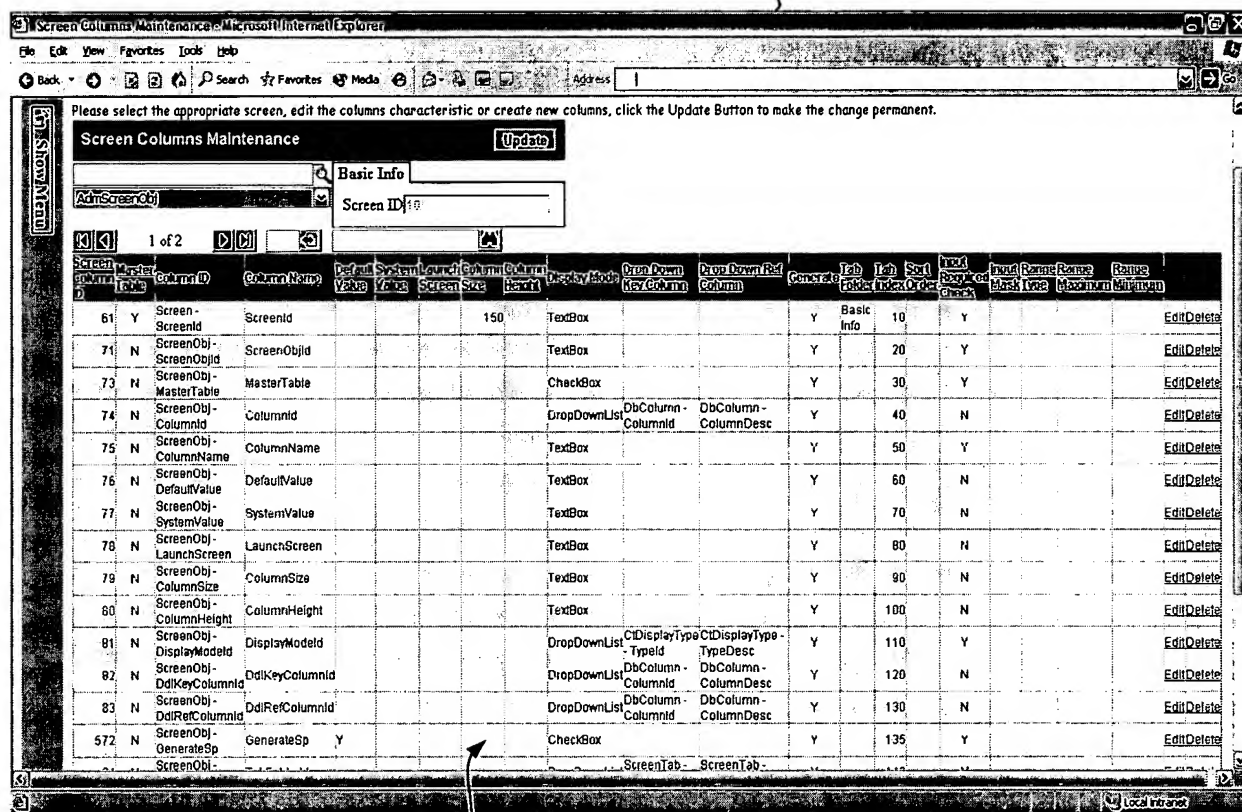


FIG. 1



200

FIG. 2

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302

Server Rules Maintenance - Microsoft Internet Explorer

Please select the appropriate screen, edit the server rules characteristic or create new rules reference, click the Update Button to make the change permanent.

Server Rules Maintenance

Basic Info

AutScreenObj: Screen ID: 0

1 of 1

Server Rule Type	Master Table	Rule Name	Rule Description	Execution Order	Procedure Name	Parameter Names	Parameter Types	Calling Params	On Add	On Update	On Delete
Inference	N	Update ColumnDesc	Hidden column ColumnDesc need to be updated	50	R00000008UpdScreenObjColumnDesc	screenObjId	SqlInt32	ScreenObjId14	Y	Y	N
Inference	N	Initialize ScreenObjHlp Table	Insert if not exists in child table ScreenObjHlp	100	R00000004InitScreenObjHlp	screenId,screenObjId,columnName	SqlInt32,SqlInt32,string	ScreenId15,ScreenObjId14,ColumnName14	Y	Y	N
Inference	N	Initialize Columns Authority Table	Insert if column of default authority not exists in Column Authority Table	200	R00000006InitAuthCol	screenId,screenObjId,tabIndex	SqlInt32,SqlInt32,SqlInt16	ScreenId15,ScreenObjId14,TabIndex14	Y	Y	N
Inference	N	Erase from ScreenObjHlp Table	Cascade delete child ScreenObjHlp first	300	R00000005DelScreenObjHlp	screenObjId	SqlInt32	ScreenObjId14	N	N	Y
Inference	N	Erase from Column Authority Table	Cascade delete unused rows from Column Authority first	400	R00000007DelAuthCol	screenObjId	SqlInt32	ScreenObjId14	N	N	Y

Done

300

FIG. 3

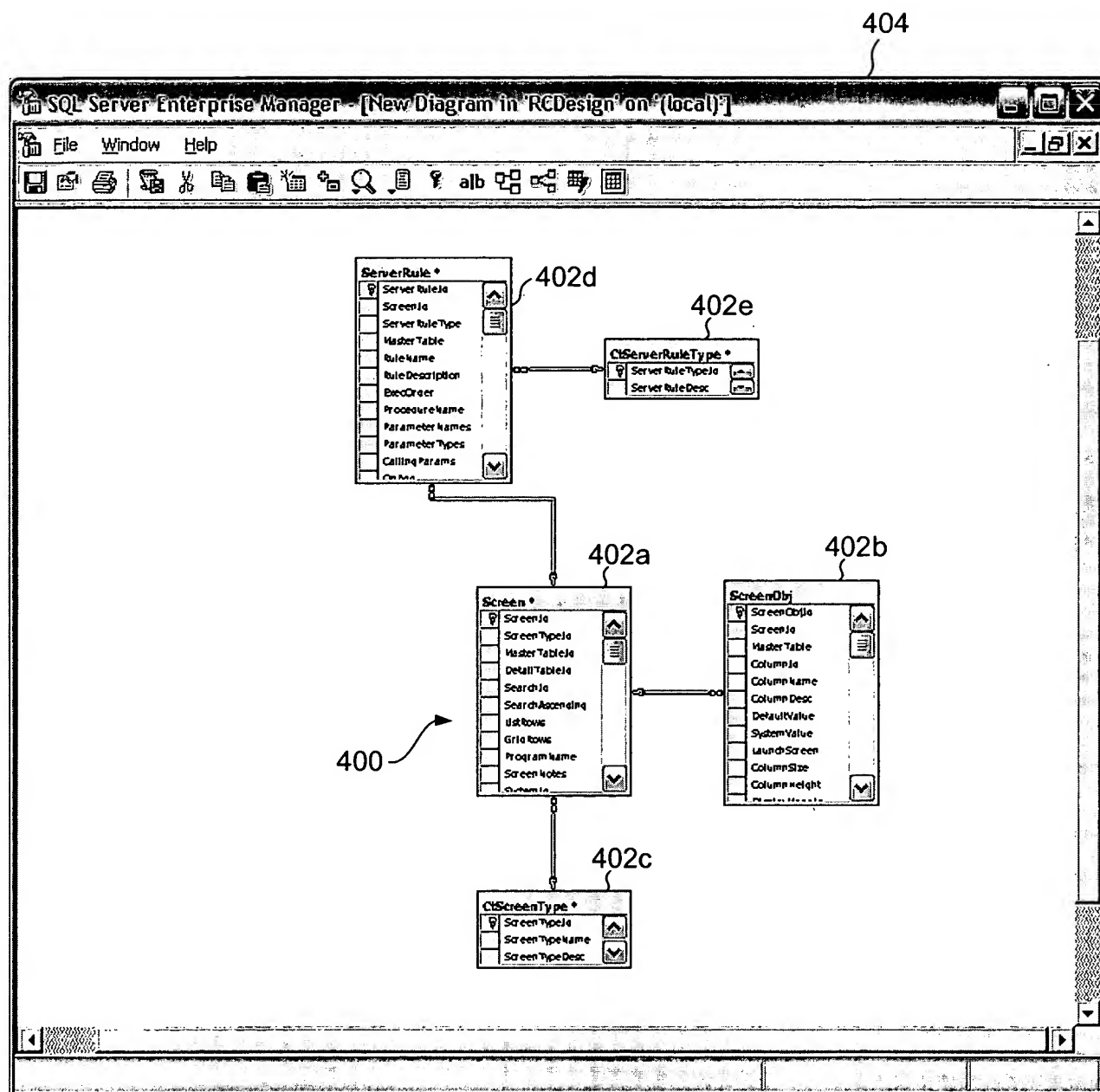
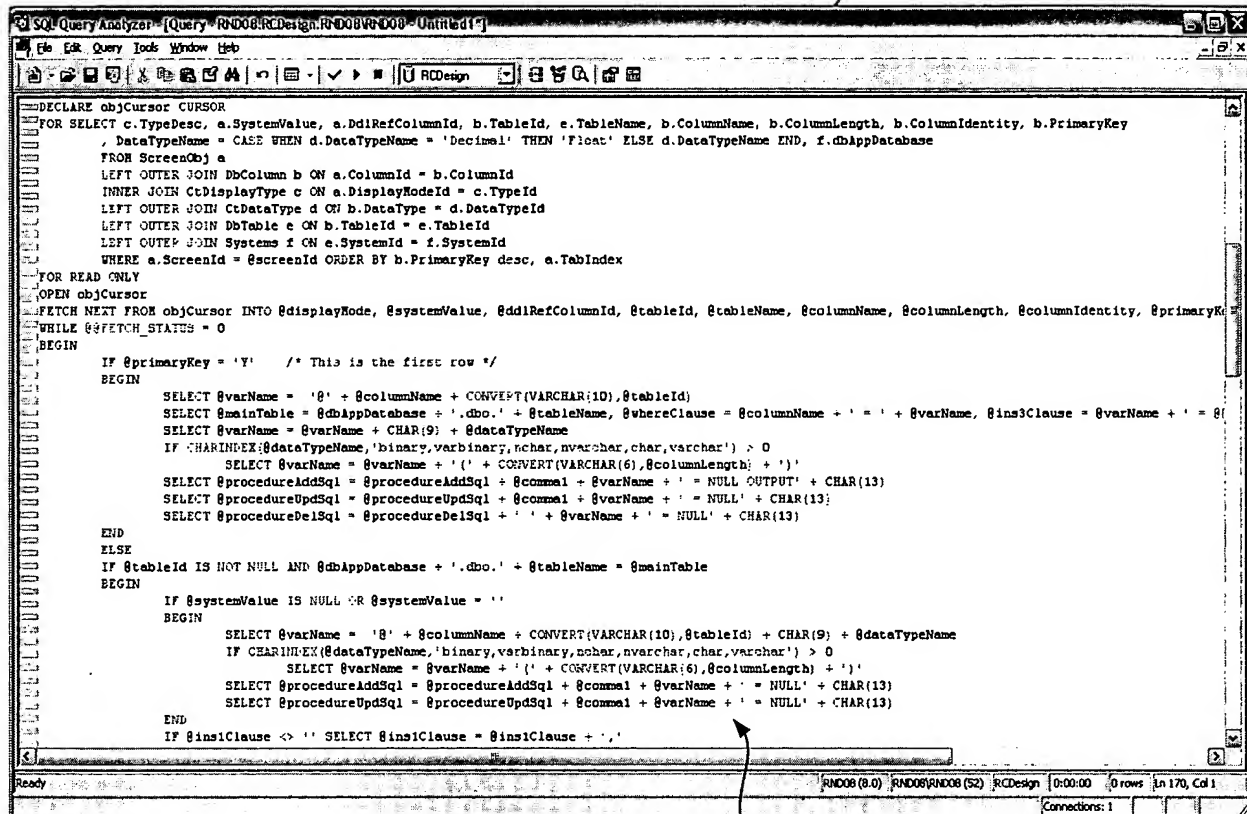


FIG. 4

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502



```
SQL Query Analyzer - [Query - RND08\RCDesign\RND08VW\ND00 - Untitled1]
File Edit Query Tools Window Help
[Icons]
--DECLARE objCursor CURSOR
FOR SELECT c.TypeDesc, a.SystemValue, a.BdiRefColumnId, b.TableId, e.TableName, b.ColumnName, b.ColumnLength, b.ColumnIdentity, b.PrimaryKey
, DataTypeName = CASE WHEN d.DataTypeName = 'Decimal' THEN 'Float' ELSE d.DataTypeName END, f.dbAppDatabase
FROM ScreenObj a
LEFT OUTER JOIN DbColumn b ON a.ColumnId = b.ColumnId
INNER JOIN CtDisplayType c ON a.DisplayModeId = c.TypeId
LEFT OUTER JOIN CtDataType d ON b.DataType = d.DataTypeId
LEFT OUTER JOIN DbTable e ON b.TableId = e.TableId
LEFT OUTER JOIN Systems f ON e.SystemId = f.SystemId
WHERE a.ScreenId = @screenId ORDER BY b.PrimaryKey desc, a.TabIndex
--FOR READ ONLY
OPEN objCursor
FETCH NEXT FROM objCursor INTO @displayMode, @systemValue, @bdiRefColumnId, @tableId, @tableName, @columnName, @columnLength, @columnIdentity, @primaryKey
WHILE @@FETCH_STATUS = 0
BEGIN
    IF @primaryKey = 'Y' /* This is the first row */
    BEGIN
        SELECT @varName = '0' + @columnName + CONVERT(VARCHAR(10),@tableId)
        SELECT @mainTable = @dbAppDatabase + '.dbo.' + @tableName, @whereClause = @columnName + ' = ' + @varName, @ins3Clause = @varName + ' = 0'
        SELECT @varName = @varName + CHAR(9) + @dataTypeName
        IF CHARINDEX(@dataTypeName,'binary,varbinary,nchar,nvarchar,char,varchar') > 0
            SELECT @varName = @varName + '(' + CONVERT(VARCHAR(6),@columnLength) + ')'
        SELECT @procedureAddSql = @procedureAddSql + @comma1 + @varName + ' = NULL OUTPUT' + CHAR(13)
        SELECT @procedureUpdSql = @procedureUpdSql + @comma1 + @varName + ' = NULL' + CHAR(13)
        SELECT @procedureDelSql = @procedureDelSql + ' ' + @varName + ' = NULL' + CHAR(13)
    END
    ELSE
    IF @tableId IS NOT NULL AND @dbAppDatabase + '.dbo.' + @tableName = @mainTable
    BEGIN
        IF @systemValue IS NULL OR @systemValue = ''
        BEGIN
            SELECT @varName = '0' + @columnName + CONVERT(VARCHAR(10),@tableId) + CHAR(9) + @dataTypeName
            IF CHARINDEX(@dataTypeName,'binary,varbinary,nchar,nvarchar,char,varchar') > 0
                SELECT @varName = @varName + '(' + CONVERT(VARCHAR(6),@columnLength) + ')'
            SELECT @procedureAddSql = @procedureAddSql + @comma1 + @varName + ' = NULL' + CHAR(13)
            SELECT @procedureUpdSql = @procedureUpdSql + @comma1 + @varName + ' = NULL' + CHAR(13)
        END
        IF @ins1Clause <> '' SELECT @ins1Clause = @ins1Clause + ','
    END
END
--
```

Ready RND08 (8.0) RND08\RND08 (52) RCDesign 0:00:00 0 rows In 170, Col 1 Connections: 1

500

FIG. 5

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110

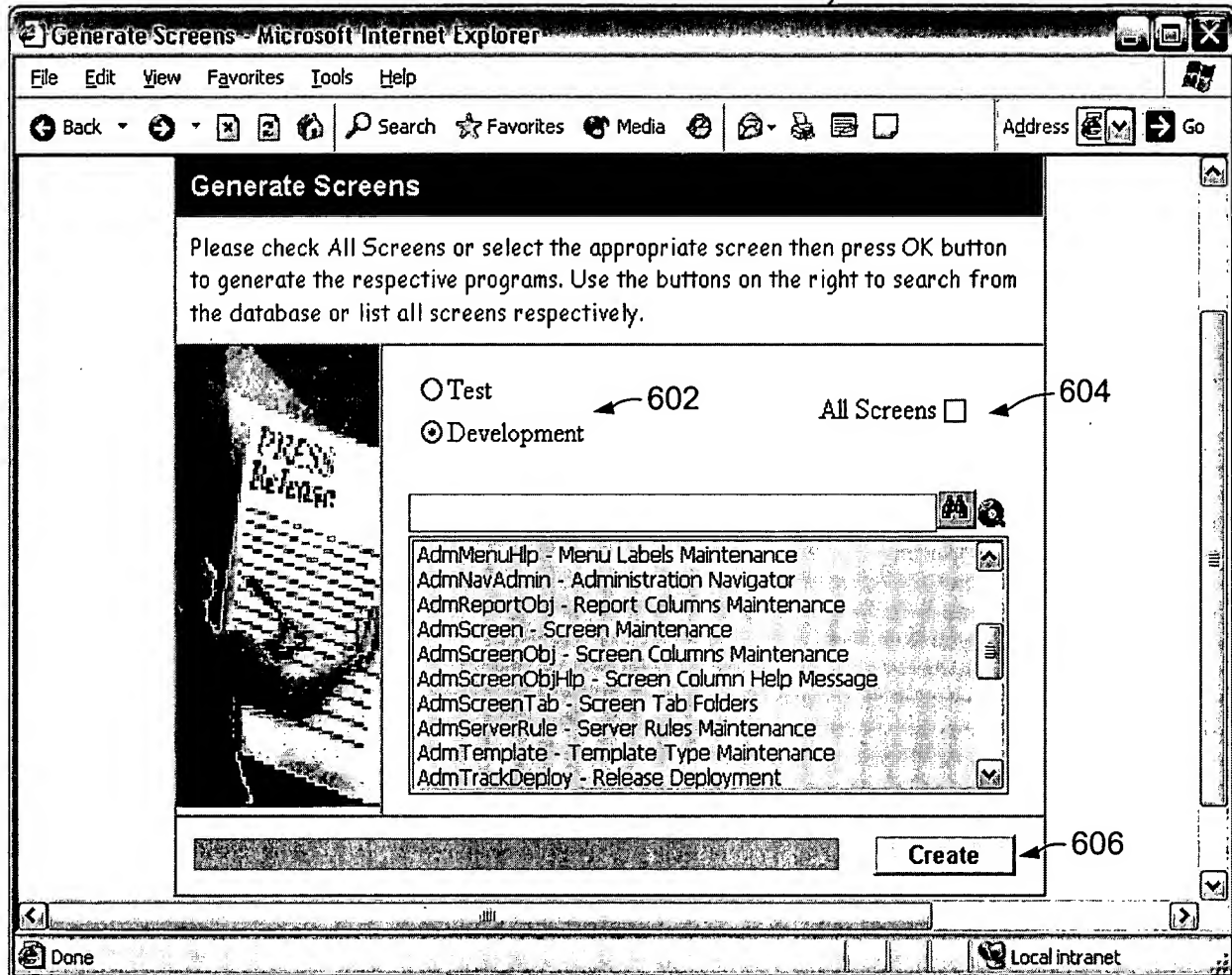


FIG. 6

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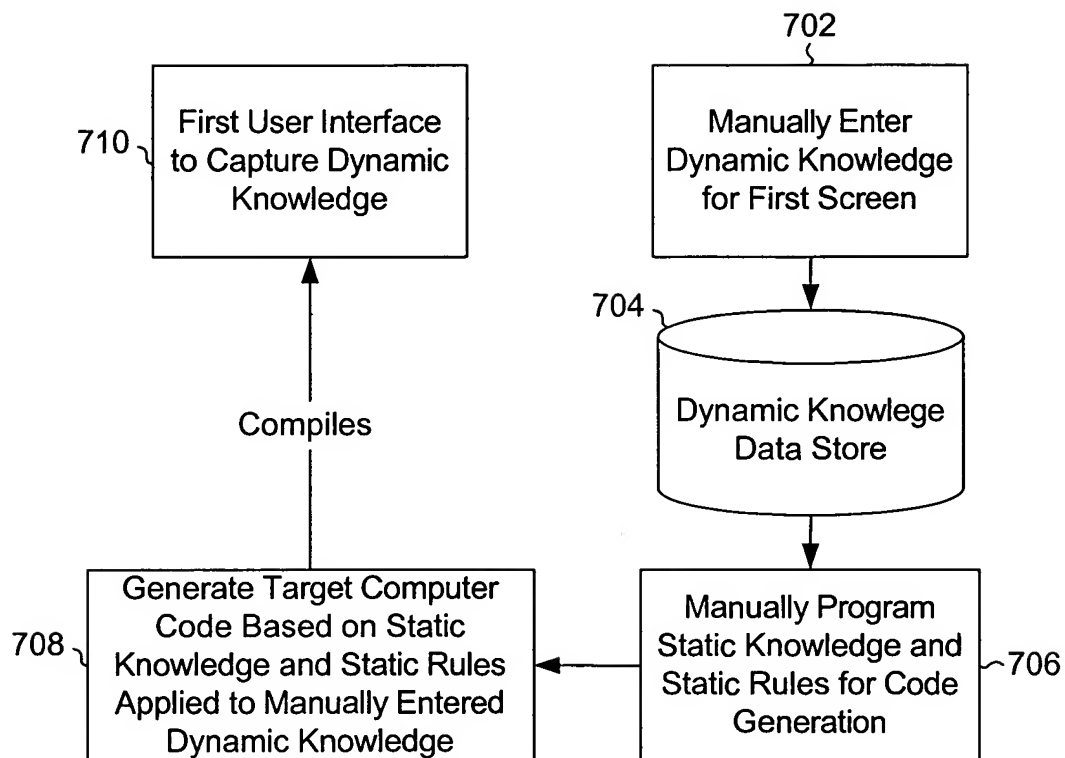


FIG. 7

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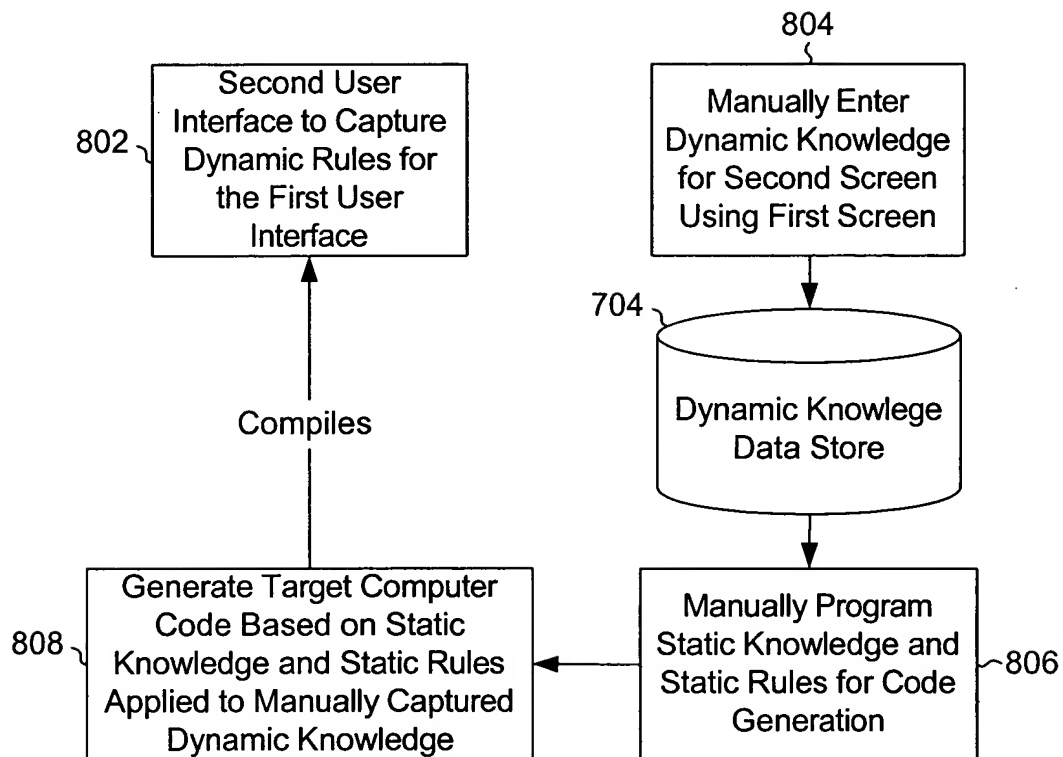


FIG. 8

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Please select the member, then add/edit the appropriate salary information, click the Update Button to mc
valid-from must be one day after. The last valid-to must be year 9999.

Salary Info

Update

☒ Active Employee ← 902
☐ Inactive Employee

John Doe 2
John Doe 2
John Doe 3
John Doe 4
John Doe 7

Main Info
Member ID7

Hrs	vacation	Exempt	Exempt	unpaid	ID1 Prov	Taxable Benefit	Bonus	Annual Salary	Gross Pay	CPP	EI
80	4	N	N	7,756.00	8,307.00	0.00	0.00	214,440.00	9,934.61	145.64	64
80	4	N	N	7,756.00	8,307.00	0.00	0.00	223,375.00	8,704.61	0.00	819

FIG. 9

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Please select the member, then add/edit the appropriate salary information, click the Update Button to make valid-from must be one day after. The last valid-to must be year 9999.

Salary Info
Update

☐ Active Employee
☒ Inactive Employee ← 1002

Main Info

John Doe 6

Member ID

1 of 1

Pay Period Hrs	Vacation%	EI Exempt	Gen Exempt	TD1 Fed	TD1 Prov	Taxable Benefit	Bonus	Annual Salary	Gross Pay	CPP	EI
80	4	N	N	7,634.00	8,168.00	0.00	0.00	55,754.40	1,476.00	50.07	26
80	4	N	N	7,634.00	8,168.00	0.00	0.00	78,628.00	2,081.54	73.21	37
80	4	N	N	7,756.00	8,307.00	0.00	0.00	78,628.00	2,081.54	77.11	35
80	4	N	N	7,756.00	8,307.00	0.00	0.00	17,220.00	1,838.46	107.57	48
80	4	Y	N	7,756.00	8,307.00	600.00	0.00	39,220.00	9,938.46	0.00	0

FIG. 10

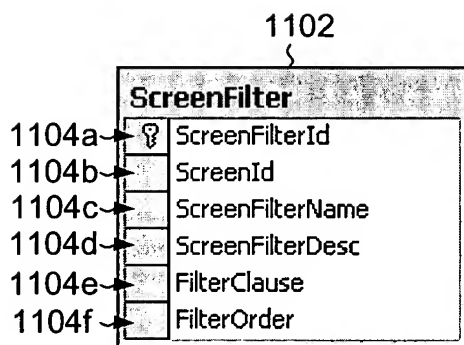


FIG. 11

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Please select the appropriate screen, edit the columns characteristic or create new columns, click the Upd.

Screen Columns Maintenance
Update

Main Info

AdmScreenFilter

Screen ID 59

1 of 1

Screen ID

Column ID

Column Name

Default System Value

Launch Column Screen Size

Column Height

Display Mode

Drop Down Key Column

Screen Column ID	Master Table	Column ID	Column Name	Default System Value	Launch Column Screen Size	Column Height	Display Mode	Drop Down Key Column
840	Y	ScreenFilter - ScreenFilterId	ScreenFilterId			100	TextBox	
841	Y	ScreenFilter - ScreenId	ScreenId				DropDownList	Screen - ScreenId
842	Y	ScreenFilter - ScreenFilterName	ScreenFilterName			250	TextBox	
844	Y	ScreenFilter - FilterClause	FilterClause			400	66 MultiLine	
845	Y	ScreenFilter - FilterOrder	FilterOrder			50	TextBox	
846	N	ScreenFilterHlp - ScreenFilterHlpId	ScreenFilterHlpId				TextBox	
848	N	ScreenFilterHlp - CultureId	CultureId				DropDownList	CtCultureT - CultureId
849	N	ScreenFilterHlp - FilterName	FilterName				TextBox	

1202a
1202b
1202c
1202d
1202e
1202f
1202g
1202h
1202i
1202j
1202k

FIG. 12

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1300

Generate Screens

Please check All Screens or select the appropriate screen then press OK button to generate the respective programs. Use the buttons on the right to search from the database or list all screens respectively.

☐ Test ☒ Development All Screens ☐

1302

AdmScreenFilter - Screen Filters Maintenance
AdmScreenObj - Screen Columns Maintenance
AdmScreenObjHlp - Screen Column Help Message
AdmScreenTab - Screen Tab Folders
AdmServerRule - Server Rules Maintenance
AdmTemplate - Template Type Maintenance
AdmUsr - User Maintenance
AdmUsrGroup - User Groups Maintenance
AdmWizardObj - Wizard Columns Maintenance
AdmWizardRule - Wizard Rules Maintenance

Programs for Screen "AdmScreenFilter - Screen Filters Maintenance" generated successfully.

Create

FIG. 13

Please select the appropriate screen filter radio-button, edit the contents, click the Update Button to make changes permanent c permitted.

Screen Filters Maintenance

UpdateDelete

<Add a new AdmScreenFilter>
PaySalary - Active Employee
PaySalary - Inactive Employee

1 of 1

Main Info

Filter ID2

ScreenPaySalary

Filter NameActive Employee

Filter ClauseActive = 'Y' AND EXISTS (SELECT 'true' FROM RCHrs.dbo.MemberInfo a01 WHERE a00.MemberId = a01.MemberId AND a01.Employee = 'Y')


Filter Order1

Culture	Filter Header	Edit	Delete
en-US	Active Employee	Edit	Delete

FIG. 14

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1500



```
,
sb.Append(GetCnDclr(dw["SysProgram"].ToString()) + ", SqlInt32 screenFilterId)" + (char)13);
sb.Append("      (" + (char)13);
sb.Append("      if ( da == null )" + (char)13);
sb.Append("      (" + (char)13);
sb.Append("      throw new System.ObjectDisposedException( GetType().FullName );" + (char)
sb.Append("      )" + (char)13);
sb.Append("      SqlCommand selCmd = new SqlCommand(\"GetLis\" + dw[\"ProgramName\"].ToString()
sb.Append("      selCmd.CommandType = CommandType.StoredProcedure;" + (char)13);
parameterNames.Remove(0, parameterNames.Length);
parameterNames.Append(dtLis.Rows[0][\"Parameter1Names\"].ToString());
param = "";
while (parameterNames.Length > 0)
{
    param = (new Utils()).PopFirstWord(parameterNames, (char)44);
    sb.Append("      selCmd.Parameters.Add(\"@\" + param + "\", \" + param + \");" + (char)13);
}
sb.Append("      selCmd.Parameters.Add(\"@screenFilterId\", screenFilterId);" + (char)13);
sb.Append("      da.SelectCommand = selCmd;" + (char)13);
sb.Append("      DataTable dt = new DataTable();" + (char)13);
sb.Append("      da.Fill(dt);" + (char)13);
sb.Append("      return dt;" + (char)13);
sb.Append("      )" + (char)13);
sb.Append("      )" + (char)13);
```

FIG. 15

Please select the appropriate screen filter radio-button, edit the contents, click the Update Button to make changes permanent c permitted.

Screen Filters Maintenance

UpdateDelete

☒ Administration Screens

<Add a new AdmScreenFilter>
AdmScreenFilter - Administration Screens

1 of 1

Culture	FilterHeader		
en-US	Administration Screens	Edit	Delete
		Edit	Delete

Main Info

Filter ID4

ScreenAdmScreenFilter

Filter NameAdministration Screens

Filter ClauseEXISTS (SELECT 'true' FROM dbo.Screen a01 INNER JOIN
dbo.Systems a02 ON a01.SystemId = a02.SystemId WHERE
a00.ScreenId = a01.ScreenId AND a02.SysProgram = 'Y')

Filter Order1

1600

FIG. 16

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Please select the appropriate screen filter radio-button, edit the contents, click the Update Button to make changes permanent c
permitted.

Screen Filters Maintenance

UpdateDelete

☒ Administration Screens
☐ Other Screens

<Add a new AdmScreenFilter>
AdmScreenFilter - Administration Screens
AdmScreenFilter - Other Screens

1 of 1

Culture	Filter Header		
en-US	Other Screens	Edit	Delete
		Edit	Delete

Main Info

Filter ID8

ScreenAdmScreenFilter

Filter NameOther Screens

Filter ClauseEXISTS (SELECT 'true' FROM dbo.Screen a01 INNER JOIN
dbo.Systems a02 ON a01.SystemId = a02.SystemId WHERE
a00.ScreenId = a01.ScreenId AND a02.SysProgram <> 'Y')

Filter Order2

1700

FIG. 17

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1800

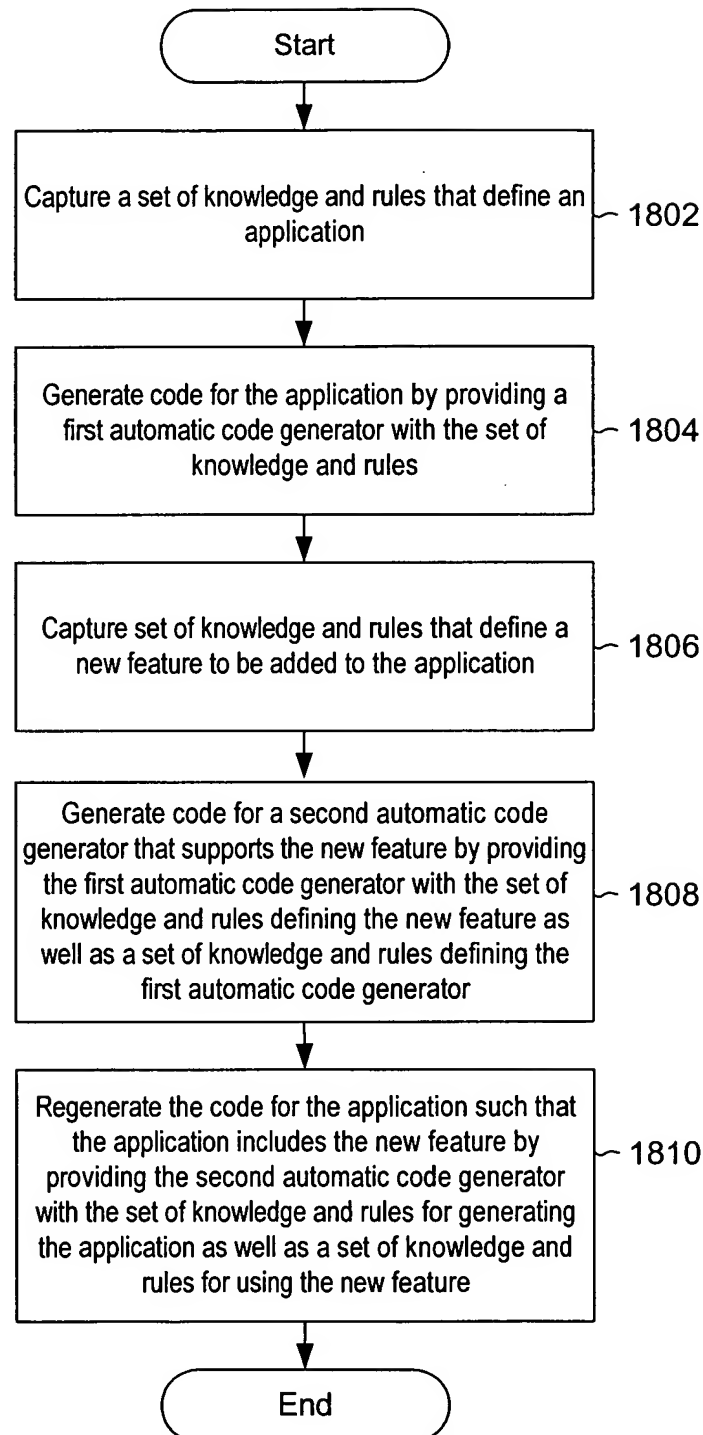


FIG. 18